

On-Grid PV Inverter 1.6/2.2/3kW

These string inverters utilize a patented topology for optimal performance in PV power systems. They convert DC power generated by solar panels into AC power suitable for residential or commercial use.



Product Overview

High-Efficiency On-Grid PV Inverter Series

This series of on-grid photovoltaic inverters offers reliable power conversion for residential and small commercial solar installations. Available in 1.6kW, 2.2kW, and 3kW models, these units feature a transformerless topology and high efficiency ratings of up to 97.8%. Engineered for durability, the inverters are housed in an IP65-rated enclosure, ensuring robust performance in diverse outdoor environments.

Performance Metrics

Key Performance Metrics

97.8 %

Max Efficiency

99.9 %

MPPT Efficiency

60 °C

Max Operating Temp

Technical Specifications

Technical Comparison

Specification	SF1600TL	SF2200TL	SF3000TL
Max DC Power	1700W	2350W	3150W
AC Nominal Power	1600W	2200W	3000W
Max Output Current	7.8A	11A	14.5A
Weight	13.6kg	13.9kg	13.9kg

General Data

Environmental Protection

IP65 • Climatic 4K4H

Communication & Connectivity

Communication Options

RS485, Bluetooth (optional), WiFi (optional)

Warranty & Support

Warranty Period

- 5 years standard
- 10 years optional
- 20 years optional